



sirmayanti sirmayanti <sirmayanti.sirmayanti@poliupg.ac.id>

[TELKOMNIKA] Submission Acknowledgement

1 pesan

Tole Sutikno <tole@journal.uad.ac.id>

20 Oktober 2017 08.23

Kepada: Sirmayanti Sirmayanti <sirmayanti.sirmayanti@poliupg.ac.id>

Sirmayanti Sirmayanti:

Thank you for submitting the manuscript, "Analysis Predicted Location of Harmonic Distortion in RF Upconverter Structure" to TELKOMNIKA (Telecommunication Computing Electronics and Control). With the online journal management system that we are using, you will be able to track its progress through the editorial process by logging in to the journal web site:

Manuscript URL:

<http://journal.uad.ac.id/index.php/TELKOMNIKA/author/submission/7628>

Username: sirmayanti

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Our event in 2017

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The EECSI 2017 has been approved by IEEE for Technical co-sponsorship with conference record number #41583

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Important Dates

Papers Submission Deadline : April 15, 2017

Final Acceptance/ Rejection Notification : June 15, 2017

Camera Ready Submission : July 30, 2017

Registration Ends : July 30, 2017

Extended versions of the selected papers

The excellent accepted papers after extension and modification will be

published in SCOPUS indexed journals.

TELKOMNIKA Telecommunication Computing Electronics and Control, ISSN:
1693-6930

International Journal of Power Electronics and Drive Systems, ISSN:
2088-8694

International Journal of Electrical and Computer Engineering, ISSN:
2088-8708

Journal of Electrical Systems, ISSN 1112-5209

For further information, please get take a look at: <http://eecs.org/2017>

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Best Regards,
Assoc. Prof. Dr. Tole Sutikno
General Chair, EECSI 2017

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[TELKOMNIKA] Editor Decision

1 pesan

Asst. Prof. Dr. Andrea Francesco Morabito <andrea.morabito@unirc.it>
Kepada: Sirmayanti Sirmayanti <sirmayanti.sirmayanti@poliupg.ac.id>

30 November 2017 01.17

Dear Dr. Sirmayanti Sirmayanti:

We have reached a decision regarding your submission to TELKOMNIKA (Telecommunication Computing Electronics and Control), "Analysis Predicted Location of Harmonic Distortion in RF Upconverter Structure".

Our decision is that your paper can be accepted for publication as long as you revise it according to the reviewers' comments reported at the end of this message.

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REVIEWER A:

The authors proposes a new mathematical analysis for predicting the magnitude size of the distortion products from a signal up-conversion process output.

The developed theory is supported by numerical examples of actual interest, which show a strong similarity between the simulation results and the calculation of the predicted location of the distortions. The work is clear from the mathematical point of view, well written and organized, and I judge it to be free from basic errors and faulty expressions.

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2. slightly reduce the length of the Abstract, which may appear too long to readers;
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4. add the following references concerning RF transmissions:
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2017-
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2018-
01-18
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 2018-
 02-10
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04-02
09:01
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Our decision is to: DECLINE
Authors do not submit their revised paper

Dr. Tole Sutikno
Universitas Ahmad Dahlan
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#7628 Summary

[SUMMARY](#) [REVIEW](#) [EDITING](#)

Submission

Authors	Sirmayanti Sirmayanti, Mike Faulkner
Title	Analysis Predicted Location of Harmonic Distortion in RF Upconverter Structure
Original file	7628-17182-1-SM.DOCX 2017-10-20
Supp. files	None
Submitter	Sirmayanti Sirmayanti 
Date submitted	October 20, 2017 - 08:23 AM
Section	Communication Engineering
Editor	Andrea Morabito  (Review) Leo P. Ligthart  (Review) Youssef Said  (Review) Surinder Singh  (Review) Lunchakorn Wuttisittikulij  (Review) Zahriladha Zakaria  (Review)
Abstract Views	0

Status

Status	Published	Vol 16, No 6: December 2018
Initiated	2018-10-27	
Last modified	2021-09-14	

Submission Metadata

Authors

Name	Sirmayanti Sirmayanti 
Affiliation	The State Polytechnic of Ujung Pandang
Country	Indonesia
Bio Statement	—
Principal contact for editorial correspondence.	
Name	Mike Faulkner 
Affiliation	Victoria University
Country	Australia
Bio Statement	—

Title and Abstract

Title	Analysis Predicted Location of Harmonic Distortion in RF Upconverter Structure
Abstract	

A new mathematical analysis to predict the magnitude size of the distortion products from the signal up-conversion process output is presented. The signal up-conversion process converts the digital baseband from the analog baseband into a radio frequency signal. When the signal baseband involves frequency offsetting then occurring a number of distortion products which can reduce the dynamic range so it is difficult to meet the spectrum mask requirements within the operating band. This paper will focus on methods of new mathematical analysis using a continuous frequency range and only applies to a single side band tone, with constant amplitude into any value of frequency offsets. The novel contribution to the analysis starts at generating the gate signal and convolution of the gate signal into the reference carrier signal. The results show very close between the simulation results and the calculation of the predicted location of the distortions.

Indexing

Keywords	baseband; upconverters; sigma-delta; harmonic; distortion;
Language	en

Supporting Agencies

Agencies	—
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References

References	—
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#7628 Editing

[SUMMARY](#) [REVIEW](#) **EDITING**

Submission

Authors Sirmayanti Sirmayanti, Mike Faulkner 

Title Analysis Predicted Location of Harmonic Distortion in RF Upconverter Structure

Section Communication Engineering

Andrea Morabito  (Review)

Leo P. Ligthart  (Review)

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Copyedit Comments  2018-11-30

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Supplementary Files	FILE	None	

Layout Comments  No Comments

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